

C. Environmental Significance

Score 56
Possible Score

The facility:

1. Has or had a RCRA regulated land disposal unit..... 5 (0 - 5)

No. of Land Disposal Units	Assigned value
1	1
2-3	2
4-6	3
7-10	4
>10	5

No. of RCRA LD units : 8

8 Hums LD

9527360



2. a) Has a known* release to the environment

** ie:

Unit	Assigned Value of Unit	Description of Waste	Assigned Value of Waste	Description of Release	Assigned Value of Release	Total (sum)
Surf. Impound.	3	PCP	3	Groundwater	3	9
#1 LF	3	toluene benzene	2	GW	3	8
#2 L. farm	3	toluene benzene	2	GW	3	8
#5 LF	3	(corrosive) PH 1.8-2.2	1	GW	3	7
#6 LF	3	sludge	2	GW	3	8
#4 LF	3	oily material	2	Soil (at least)	1	6
TOTAL:						37

from 12/85
FIT
Sampling
inspection

DECLASSIFIED

Assigned Value..... 10 (0 - 20)

- * For this exercise, "known" release includes releases verified by analytical results and visual indicators of release (stressed vegetation, staining, film on water surface, etc.)
- * List all releases
- * Points should be totaled and ranked for score.

Sun Refinery + Marketing Co
OKD058078775

DECLASSIFIED
Date: 2/13/94
or ORC:

Point range	Assigned Value
1 - 10	1
11 - 20	3
21 - 30	5
31 - 40	7
41 - 50	9
> 50	11

SUPERFUND FILE

AUG 27 1992

REORGANIZED

	Assigned Value
<u>Units:</u>	
Surface Impoundments	3
Landfill, Landfarm, Wastepile	3
Sumps	1
Tank Farm	
1 - 25 tanks	1
25 - 50 tanks	2
> 50 tanks	3
Ditches	1
Container storage	1
<u>Type of Waste:</u>	
Corrosive, Ignitable, Reactive	1
Metal OH sludge, metals, solvents and non-chlorinated organics	2
Metal OH sludge, metals, chlorinated solvents and chlorinated organics	3
Acutely toxic wastes, dioxins, pesticides	4
*combination	
<u>Release:</u>	
None	0
Soil	1
Surface water	2
Air	2
Groundwater	3
Combo of 2 or more media	4

if waste type unknown
 @ potential primarily
 " " " "
 score 2

NOTE: If unit is lined or MTR, subtract "1" from assigned unit value.

If more than one type of waste has been released, assign the value of the highest ranked waste, as described above.

**For the example shown above, Pentachlorophenol (PCP), a chlorinated organic, has been released from an unlined surface impoundment, resulting in contamination of the groundwater.

* If a combination of waste is released from a unit, score the higher waste.

* If there are more than 3 tanks listed at a site as having a release (i.e. tank farm of 30 tanks) list as only one unit but multiply by 4)

2. b) Has a high potential*** for release to the environment;
(See 2a. for assigned values) *total = 15*

Unit	Assigned Value of Unit	Description of Waste	Assigned Value of Waste	Total (sum)
#7 LF	3	unk	2	5
#8 LF	3	metals calling metals "1"	1	4
#14 SI	3	unk	2	5
#16 Tank	1		2	3
#17 Tank	1			
#18 Tank	1			
#19 Tank	1			
#20 Tank	1			
#24 LF	3	pH 1.5, oil 27.5% (corrosive)	1	4
#25 SI	3	K049	2	5
<i>(calling this a "2")</i> TOTAL:				26

5 not included -
either treatment
or equip.
units

count these 5
tanks
as 1
tank
favor

Total Points..... 5 (0 - 11)

*** For this exercise, "potential " release includes knowledge that a tank is of a certain age (likely to leak), knowledge that a unit was closed with waste intact, etc.

- * All potential releases should be listed
- * Points should be totaled and ranked for score.

Point range	Assigned Value
1 - 10	1
11 - 20	3
21 - 30	5
31 - 40	7
41 - 50	9
> 51	11

3. Is a commercial facility..... 0 (0, 5)

4. Significant public concern about the facility..... 0 (0, ⁵1)

If no knowledge of public concern

If any knowledge of public concern

0 7

The number and frequency of Congressional Inquiries regarding a facility could be used to indicate public concern.

Comments: _____

5. Has a history of noncompliance with the RCRA regulations;..... 0 (0 - ¹⁰3)

<u>Compliance History</u>	<u>Assigned Value</u>
No history of Class I violations	0
State/EPA inspections documented Class I violation(s) on one occasion	1
State/EPA inspections documented different (or repeat of corrected) Class I violations on two separate occasions	2 5
The facility is an SNC or State/EPA inspections documented different (or repeat of corrected) Class I violations on three separate occasions.	3 10

D. Facility Ranking Worksheet:

1. Water Supply Proximity: DW info not avail. Nearest SW = AR River, just adjacent within 3 miles - municipal + industrial

Depth to Aquifer = 10-15' 84.51
 Distance to Public Water Supply = $\frac{2 \text{ miles to DWS}}{2}$ $\frac{5}{2}$ (0-3)⁵
(0-4)₀

upper
most
aquifer

NOTE: For this exercise, "Distance to Public Water Supply" is defined as the shortest distance from a facility boundary to a public water supply source.
 will be lat/long instead

	Distance	Assigned Value
Depth to Aquifer: (Feet)	> 150	0
	76 - 150	1
	21 - 75	2
	0 - 20	3 ⁵
Distance to Public Water Supply: (Miles)	> 3	0
	2 - 3	1
	1 - ②	②
	2001 ft - 1	3 ⁵
	< 2000 ft	4 ¹⁰

for border,
so conservative

2. Population within one mile radius of any facility boundary: N, W, E surrounded by residential (address is Tulsa) within 1 mile, total = 4750

~500 w/in 1 mile

> 15 Community Connections = DWS

Population	Assigned Value
0	0
1 - 100	1
101 - 1,000	2
1,001 - 3,000	3
3,001 - 10,000	4 ⁵
10,001 - 25,000	5 ⁷
> 25,000	6 ⁹

$\frac{5}{2}$ (0-6)
 9

250 residential
 4000 comm/ind.
 100 publicly travelled
 areas
 400 public use
 areas

4750

3. Sensitive Environment Proximity: adjacent to AR river

~~assumed 100' 1/4 mile~~

7 ~~100~~ (0 - 3)

Assigned Value =	0	1	2	3
Distance to Wetlands (5 acre minimum)				
OR Coastal Fresh Water -	> 2 miles > 1 mile	1-2 miles 1/4-1 mile	1/2-1 mile 100ft-1/4mile	<1/2 mile <100 feet
Distance to Critical Habitat: (of endangered species)	> 1 mile	1/2-1 mile	1/4-1/2 mile	<1/4 mile

delete?

delete?

4. Toxicity/Danger of Waste:

C, I, R = 1 petro. sludges,
separator sludges + toluene, benzene

2 (0 - 4)

Waste Type	Assigned Value
Corrosive, Ignitable, Reactive	1
Metal Hydroxide Sludge, Metals, Solvents and Non-chlorinated Organics	2
Metal Hydroxide Sludge, Metals, Chlorinated Solvents, and Chlorinated Organics	3
Acutely Toxic Wastes, Dioxins, Pesticides	4

5. Waste Quantity: 13/SWMUS

15 (0 - ¹⁵8)

Tons/Cubic Yards	No. of Drums	Assigned Value	No. of SWMU
0	0	0	0
1 - 10	1 - 40	1	1 - 2
11 - 62	41 - 250	2	3 - 10
63 - 125	251 - 500	3	11 - 20
126 - 250	501 - 1000	4	21 - 40
251 - 625	1001 - 2500	5	41 - 60
626 - 1250	2501 - 5000	6	61 - 80
1251 - 2500	5001 - 10,000	7	> 80
> 2500	> 10,000	8	

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~ 100 may be part of a tank farm =>

- ? Subsurface gas in landfills (if known) yes 1 no 0
- ? Permitting facility 2 Closing Facility 0

34 maybe
=> score of 5

31 others
+ score of 3 @ tank farm @ 50 tanks (p. 3)